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# Pandemic Preparedness

## Introducing the New Microbix® Pandemic Response ToolKit®

A global outbreak of influenza may not arise from the current H5N1 influenza virus circulating mainly within birds now, but the scientific community does describe the potential for a pandemic influenza outbreak in terms of "not if, but when."

### Things you should be prepared for:

- Nearly immediate and extended supply shortages of almost every good and service
- Inaccessibility to the healthcare system including hospitals, clinics, and outpatient services
- Overburdening of infrastructure systems such as municipal services (hydro, gas, water, etc.)
- Decreased availability of consumer items such as groceries and gasoline
- Possible shortages of financial resources

### Questions you need to ask:

- Do you have protective equipment to minimize your chance of becoming infected while you care for a sick family member?
- Do you have any guidance on how to manage your home during a pandemic outbreak?
- Do you know how to set up a quarantine room in your home?

A team of virologists at Microbix selected materials for the kit using their expertise in handling infectious materials. The information in the user manual was drawn from the virologists' understanding of the impact of a pandemic outbreak on day-to-day living. The manual describes how and why to use the materials in the kit, and contains information on reasonable preparations to take before a pandemic outbreak.

**The best time to prepare is now!**

### Facts about influenza:

- Every major pandemic influenza strain originated from an avian strain
- The virus lives for about five minutes on human skin, eight hours on porous surfaces such as clothing, and about 48 hours on hard surfaces such as handrails and doorknobs
- Pandemic outbreaks occur about three times per century; the last was in 1968
- Once there is confirmed, efficient, human-to-human transmission of a flu strain, the virus will spread rapidly through the population

Microbix Biosystems Inc.

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| Description | Cat. No. | Price |
|---|---|---|
| Microbix® Pandemic Response ToolKit® | 12345-056 | $70.00 |

## Kit Components*

**Respirators**
**2** 3M® 8233 N100 Respirators

**Eye Protection**
**1** Uvex® FitLogic® Protective Eyewear

**Disposable Gloves**
**50 Pair** VWR® Powder-Free Nitrile Examination Gloves, Large

**Reusable Gloves**
**2 Pair** STANSOLV® Unlined Nitrile Gloves, Size 8

**Hand Sanitizer**
**1** DuPont® RelyOn® Antiseptic Spray, 2oz. Bottle

**Disinfecting Wipes**
**65** DuPont® RelyOn® Disinfectant Wipes, 10x12”

**User Manual**

*** The actual products included in the Pandemic Response Tool Kit® are subject to change due to product availability.**

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## Kit Components:

### Respirators
Respirators are designed to block infected particles (N100) from the user. Most important is the mask-to-face seal. The 8233 respirator has a foam gasket to eliminate bypass and an exhaust vent for maximum comfort. Two respirators are included in the kit, and a strategy for reuse is described in the manual.

### Eye Protection
Straightforward, non-tinted and comfortable, they protect the eyes (an infection point) from particles that could contain a virus.

### Disposable Gloves
These are made of nitrile rubber material to minimize allergic reaction potential.

### Reusable Gloves
A strategy for disinfection is included in the manual.

### Hand Sanitizer
This sanitizer is designed to inactivate a broad range of viruses and bacteria.

### Disinfecting Wipes
One of the main transmission paths of a virus is through the touching of surfaces that are contaminated and then touching something else that allows the virus access to your body. Keypads and doorknobs are typical examples. These wipes are designed to inactivate a broad range of viruses and bacteria.

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